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TITLE: Process for the conversion of linear butenes to propylene.

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INVENTOR-INFORMATION:

NAME

COUNTRY

COLOMBO, FAUSTO

N/A

ALBERTI, DE GIORDANO

N/A

PADOVAN, MARIO

N/A

PAPARATTO, GUISEPPE

N/A

CONTESSA, SOCRATE

N/A

ASSIGNEE-INFORMATION:

NAME

COUNTRY

MONTEDIPE SPA

IT

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ABSTRACT:

A process for the conversion of olefins having from 4 to 12 carbon atoms into propylene, characterized in that said olefins are brought into contact with a zeolitic compound (optionally in admixture with a binder), selected from silicalites, boralites, chromosilicates and those zeolites ZSM5 and ZSM11 in which SiO<sub>2</sub>/Al<sub>2</sub>O<sub>3</sub> (by moles) is  $\geq 350$ , at a space velocity of from 5 to 200 kg/h of olefins per kg of pure zeolitic compound (binder excluded) and at a temperature of from 400 to 600 DEG C, said zeolitic compound being used as such or in a modified form.